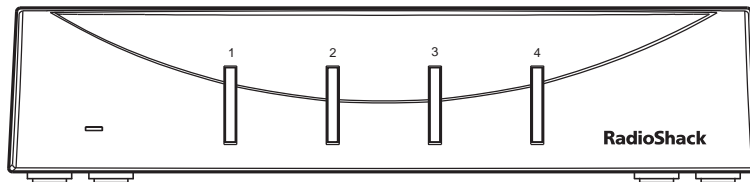
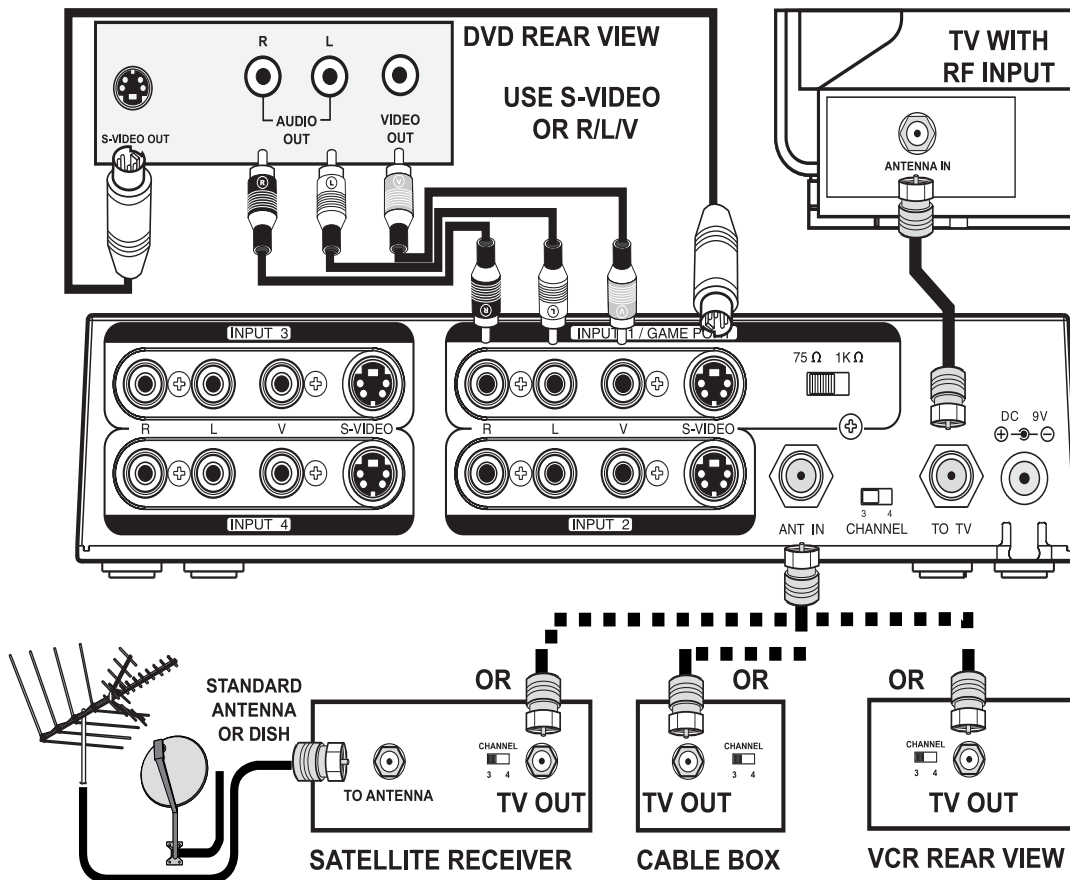


# 4-Way RF Modulator

15-1215



Thank you for shopping at RadioShack. Your RadioShack 4-Way RF Modulator is designed to convert the stereo audio and video signals from up to four home entertainment components, such as a DVD player, satellite, cable TV box, or VCR to a conventional coaxial cable output.



## Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

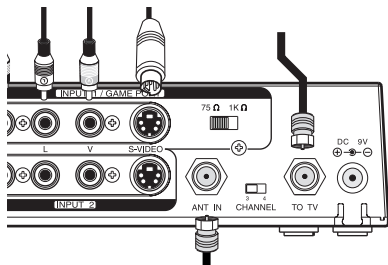
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

## CONNECTIONS

Your modulator provides four sets of input jacks that can be used to connect up to four home entertainment components, and each set of the input jacks includes one **S-VIDEO** jack. It can auto-select the video signals if both S-video and composite signals are received. S-video signals have the highest priority.

Connect your antenna or the cable TV's output to **ANT IN** on the back of the modulator with a 75Ω (75-ohm) F-connector coaxial cable.



Plug the connector on one end of a 75Ω F-connector cable to **TO TV** on the back of the modulator, and plug the connector on the cable's other end to your TV input terminal.

Plug the connectors on one end of a stereo A/V cable into one set of the **V** (video / yellow), **R** (audio right / red), and **L** (audio left / white) **INPUT** jacks on the modulator. Plug the connectors on the cable's other end into the video and audio output jacks on the component. Or, you can connect an S-video cable from the S-VIDEO output of a device to an **S-VIDEO INPUT** jack on the modulator in lieu of A/V cables.



### NOTE

If the component is a game, connect it to **INPUT 1/GAME PORT**.

## Powering the Modulator

You can power the modulator using the supplied 9V, 100 mA AC/DC adapter.



### CAUTION

- You must use a Class 2 power source that supplies 9V DC and delivers at least 100 mA. Its center tip must be set to positive and its plug must fit the modulator's **DC 9V** jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the modulator or the adapter.
- If you do not plan to use the modulator for a week or more, unplug the adapter from the AC outlet.

Always connect the AC adapter to the modulator before you connect it to AC power. When you finish, disconnect the adapter from

AC power before you disconnect it from the modulator.

When your connections are complete, insert the supplied AC adapter's barrel plug into the **DC 9V** jack on the back of the modulator, then plug the adapter into a standard AC outlet. The LED on the front of the modulator lights.

## OPERATION

- Turn on the TV and set it to either Channel 3 or 4, whichever is not used for regular broadcasts in your area.
- Set the modulator's **CHANNEL 3/4** to the same channel you set the TV (3 or 4).
- Press the corresponding component selector **1/2/3/4** on the front of the modulator.



### CAUTION

Never press two or more component selectors at the same time.

Turn on the connected component and set **75Ω/1kΩ** (the impedance switch) on the back of the modulator to the position that gives the best picture.



### NOTE

- If the component connected to **INPUT 1/GAME PORT**, has a **1kΩ** output impedance slide **75Ω/1kΩ** to **1kΩ**.
- The impedance switch only affects **INPUT 1/GAME PORT**.

To watch the TV's signal, set the component selector to an unused component, or set the selector to a component that is not powered on.

To de-select a component without selecting another component, lightly press a different component's selector button. Do not fully compress the button. The depressed button releases.

## THE FCC WANTS YOU TO KNOW

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be

determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your local RadioShack store or an experienced radio/TV technician for help.
- If you cannot eliminate the interference, the FCC requires that you stop using your modulator.

Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## CARE

Keep the modulator dry. If it gets wet, wipe it dry immediately. Use and store the modulator only in normal temperature environments. Handle the modulator carefully; do not drop it. Keep the modulator away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

If your modulator is not performing as it should, take it to your local RadioShack store for assistance. Modifying or tampering with the modulator's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it.

## SPECIFICATIONS

Antenna to TV insert loss – 2.5dB

Output RF system CH 3 & 4 (Selectable)

RF carrier output level – 47dBm

Video modulation (stair step, 1Vp-p input)

Black Level 75%

White level >20%

Audio modulation @ 1KHz 1Vp-p +/- 25KHz

Audio THD @ 1KHz 1Vp-p input 1%

Audio S/N @ 1KHz 1Vp-p input 35dB

Current Drain 50mA

Dimensions 8 2/3 × 4 15/16 × 1 7/8 Inches

(220 × 125 × 48 mm)

Weight 15.3 oz (435 g)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.